

**NONPROVISIONAL PATENT  
APPLICATION TRANSMITTAL RULE §1.53(b)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Customer No. 004372  
ARENT FOX KINTNER PLOTKIN & KAHN, PLLC  
1050 Connecticut Avenue, N.W.,  
Suite 400  
Washington, DC 20036-5339  
Telephone: (202) 857-6000  
Facsimile: (202) 638-4810

Docket No. 107101-00038  
Date: December 20, 2001

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): MISFIRE DETECTION SYSTEM FOR INTERNAL COMBUSTION  
ENGINES

By (Inventors): Kenichi ISHIDA, Toshihiro OKAMA, Gakuji MORIYA, Kazuyuki KUBO and  
Chiaki KIMURA


- ☒ 23 pages of Specification/Claims 1-20/Abstract are attached.  
☒ Formal drawings (Figs. 1-11; 11 sheets are attached.  
☒ A Declaration and Power of Attorney is attached.  
☒ An assignment of the invention to HONDA GIKEN KOGYO KABUSHIKI KAISHA is attached, along with Form PTO-1595 and a check for \$40.00.  
☐ An Information Disclosure Statement is attached, along with Form PTO-1449, and \_\_\_\_\_ reference(s).  
☐ This application is entitled to Small Entity Status.  
☐ A Preliminary Amendment is attached.  
☐ Please amend the specification by inserting before the first line the sentence --This nonprovisional application claims the benefit of U.S. Provisional Application No. \_\_\_\_\_, filed \_\_\_\_\_.  
☒ Priority of foreign application No. 2000-387040 filed December 20, 2000 in Japan and 2001-317676 filed October 16, 2001 in Japan is claimed under 35 U.S.C. §119.  
☒ Certified copies of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

			SMALL ENTITY			LARGE ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	OR	RATE	FEE
BASIC FEE				\$ 370	OR		\$ 740
TOTAL CLAIMS	20 - 20	= 0	x 9 =	\$	OR	x 18	\$
INDEP CLAIMS	4 - 3	= 1	x 42 =	\$	OR	x 84	\$ 84
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+140 =	\$	OR	+280	\$
			TOTAL	\$	OR	TOTAL	\$ 824

- ☒ A check in the amount of \$864.00 (\$824.00 for the filing fee and 40.00 for the Assignment Recordation Fee) is attached. Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300.

Respectfully submitted,

  
Charles M. Marmelstein  
Registration No. 25,895